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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/708,362	02/26/2004	Yiling Xie	04-62594	2361

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LAW OFFICES OF J.F. LEE
17800 CASTLETON STREET
SUITE 383
CITY OF INDUSTRY, CA 91748

EXAMINER

WONG, ALLEN C

ART UNIT	PAPER NUMBER
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2621

MAIL DATE	DELIVERY MODE
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06/28/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/708,362	Applicant(s) XIE, YILING	
	Examiner Allen Wong	Art Unit 2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 2/26/04 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1 and 5 are rejected under 35 U.S.C. 102(e) as being anticipated by Sugimoto (6,593,960).

Regarding claim 1, Sugimoto discloses a wide-angled image display system for automobiles, comprising:

a plurality of cameras mounted on the rear and both sides of an automobile (fig.5, cameras 14 and 16 are mounted on the left side of the automobile, cameras 15 and 17 are mounted on the right side of the automobile, camera 18 is mounted on the rear of the vehicle);

a display monitor mounted on the inside of an automobile (fig.4, element 19 and col.6, ln.20-21); and,

a control circuit with image distributor that receives the images from said cameras and generates a composite wide-angled image on said display monitor (fig.14, element 72 receives the images from cameras 14-18, and element 74 forms a

panoramic composite image or a wide-angled image to display on monitor 19 ; col.15, ln.25-30 and ln.52-62).

Regarding claim 5, Sugimoto discloses wherein said cameras are additionally mounted on motorized pivots that allows the view angles to turn along when triggered by the electrical turn signals of the automobiles (fig.3-4, note cameras 11-18 are mounted all over the vehicle; fig.14 and col.15, ln.25 to col.16, ln.15, the cameras are triggered by the turning of the vehicle as detected by element 71 by judging the "steering angle").

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 2-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sugimoto (6,593,960) in view of Bauer (6,509,832).

Regarding claim 2, Sugimoto discloses a display monitor inside the center of vehicle (fig.4, element 19 and col.6, ln.20-21). Sugimoto does not specifically disclose wherein said display monitor is mounted and built into the center rearview mirror so that the images received from said cameras are projected and superimposed on the mirror surface of the center rearview mirror. It would have been obvious to one of ordinary skill in the art to implement the display into the rear view mirror for conveniently displaying the images. If one is not convinced, Bauer teaches the use of

a display placed in the rear view mirror position (col.10, ln.49-52 and fig.4 and 15, element 333). Therefore, it would have been obvious to combine the teachings of Sugimoto and Bauer, as a whole, for enhancing the rear-view image data obtained by cameras (col.2, ln.40-43).

Regarding claim 3, Sugimoto discloses wherein a recorder with sufficient memory capacity is employed to record the images taken in by said cameras (fig.14, element 48).

Regarding claim 4, Sugimoto discloses wherein a program logic is coded and loaded into a control unit inside said display system (fig.14 has program logic coded into element 47), so as to transform images of larger vehicles rear into images of smaller vehicles in tandem, taking up the same length as the larger vehicles, before transmitting to said display monitor, when images of the larger vehicles appear from the two sides to the rear of current vehicle, the transformation function of the larger image to smaller image is disabled when the front of that larger image is flush with the tail end of current vehicle, or if there is any portion of overlapping in the latitudinal direction (fig.14, element 72 receives the images from cameras 14-18, and element 74 forms a panoramic composite image or a wide-angled image to display on monitor 19 ; col.15, ln.25-30 and ln.52-62).

Contact Information

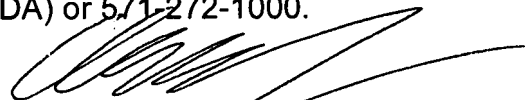
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Allen Wong whose telephone number is (571) 272-7341.

Art Unit: 2621

The examiner can normally be reached on Mondays to Thursdays from 8am-6pm
Flextime.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John W. Miller can be reached on (571) 272-7353. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Allen Wong
Primary Examiner
Art Unit 2621

AW
6/21/07